DOCUMENT RESUME

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TITLE	The NASA "Why?" Files: The Case of the Phenomenal Weather. Program 7 in 2001-2002 Video Series. [Videotape].
INSTITUTION	National Aeronautics and Space Administration, Hampton, VA. Langley Research Center.
PUB DATE	2001-00-00
NOTE	0p.; With an introduction by Tony Perkins." Videotape is closed captioned.
AVAILABLE FROM	NASA CORE, Lorain County Joint Vocational School, 15181 State Route 58, Oberlin, OH 44074-9799 (Item no. 002.3-05V; running time, 60 minutes; $16). Tel: 866-776-2673 (Toll Free); Fax: 866-775-1460 (Toll Free); e-mail: nasaco@leeca.org; Web site: http://core.nasa.gov.
PUB TYPE	Guides - Classroom - Teacher (052) -- Non-Print Media (100)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	Educational Technology; Elementary Education; Hurricanes; *Inquiry; *Instructional Materials; Meteorology; *Problem Solving; Science Education; Tornadoes; Videotape Recordings; *Weather

ABSTRACT

The National Aeronautics and Space Administration (NASA) has produced a distance learning series of four 60-minute video programs with an accompanying Web site and companion teacher guides designed for students in grades 3-5. The story lines of each program or episode involve six inquisitive school children who meet in a treehouse. They seek the solution of a particular problem, and the NASA "Why?" Files series follows them through the steps of their investigation and final conclusion. The series uses problem-based learning to introduce students to NASA research and missions from physical, Earth, life, and computer science fields. It is designed to model the problem-based learning approach and provide students with the opportunity to learn subject matter and simultaneously develop problem-solving skills while engaged in real-world situations. In this video, the tree house detectives learn about violent storms such as hurricanes and tornadoes, weather fronts, global wind patterns, and climate. While solving the case, students discover that predicting the weather is not predictable at all. (YDS)

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